Test Definition: SEMA

Semen Analysis with WHO Morphology

Reporting Title: Semen Analysis with WHO Morphology
Performing Location: Rochester

Specimen Requirements:

Specimen must arrive within 24 hours of collection. Send specimen Monday through Thursday only and not the day before a holiday. If holiday falls on a Saturday, holiday will be observed on the preceding Friday. Sunday holidays are observed on the following Monday. Specimen should be collected and packaged as close to shipping time as possible. Laboratory does not perform testing on weekends.

Container/Tube: Semen Analysis Kit (Supply T178)
Specimen Volume: Total ejaculate
Collection Instructions: Patient should have 2 to 7 days of sexual abstinence at the time of semen collection for accurate results.
Additional Information: Include the following information: semen volume, viscosity, pH, appearance (color), and number of days of sexual abstinence.
Forms: If not ordering electronically, submit a General Request Form (Supply T239) with the specimen.

Specimen Type	Temperature	Time
Semen	Ambient	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
ABSTN	Abstinence **Also used by tests: POSV, FER**	Numeric	d	10587-4
CLST1	Collection Site **Also used by tests: POSV, FER**	Alphanumeric		N/A
TY	Study Type **Also used by tests: FER**	Alphanumeric		N/A
CNTN	Container Type **Also used by tests: FER**	Alphanumeric		N/A
APP3	Appearance **Also used by tests: FER**	Alphanumeric		13359-5
VL53	Semen Volume **Also used by tests: POSV, FER**	Numeric	mL	3160-9

Result ID	Reporting Name	Type	Unit	LOINC®
PH1	pH **Also used by tests: FER**	Numeric		2752-4
MOTML	Motile/mL **Also used by tests: FER**	Numeric	x10(6)	42531-4
SPML	Sperm/mL **Also used by tests: FER**	Numeric	x10(6)	9780-8
MOTY	Motility **Also used by tests: FER**	Numeric	%	6800-7
GR2	Grade **Also used by tests: FER**	Numeric		N/A
MOTEJ	Motile/Ejaculate **Also used by tests: FER**	Numeric	x10(6)	In Process
VISC	Viscosity **Also used by tests: FER**	Numeric		32789-0
AGGLU	Agglutination **Also used by tests: FER**	Numeric		33217-1
STAIN	Supravital Stain **Also used by tests: FER**	Numeric	% live	In Process
FRCT	Fructose **Also used by tests: FER**	Alphanumeric		13943-6
CMT45	Comment **Also used by tests: FER**	Alphanumeric		48767-8
OVAL3	WHO Morph NL **Also used by tests: FER2**	Numeric	%	In Process
OTH3	Other **Also used by tests: FER2**	Numeric	%	N/A
GERM2	Germ Cells/mL **Also used by tests: FER2**	Numeric	x10(6)	In Process
WBC5	WBC/mL **Also used by tests: FER2**	Numeric	x10(6)	10579-1

Result ID	Reporting Name	Type	Unit	LOINC®
CMT24	Comment **Also used by tests: FER2**	Alphanumeric		48767-8

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
FER	Semen Analysis	1	89310	Yes	Yes
FER2	WHO Morphology	1	89398	Yes	Yes

Reference Values:

Appearance: normal
Volume: > or =1.5 mL
pH: > or =7.2
Motile/mL: > or =6.0 x 10(6)
Sperm/mL: > or =15.0 x 10(6)
Motility: > or =40%
Morphology: > or =15% normal oval sperm heads
Germ cells: <4 x 10(6)/mL
WBC: <1 x 10(6)/mL
Grade: > or =2.5
Motile/ejaculate: > or =9.0 x 10(6)
Viscosity: > or =3.0
Agglutination: > or =3.0
Supravital: > or =58% live
Fructose: positive
Note: Fructose testing cannot be performed on semen analysis specimens shipped through Mayo Medical Laboratories. If patient is azoospermic, refer to FROS/81164 Fructose, Semen or Seminal Plasma. Submit separate specimen to rule out ejaculatory duct blockage. Positive result indicates no blockage.